IN THE CLAIMS

Amend Claims 1-16 and Claims 18-29 as follows:

1. (Currently amended) A method for detecting an anomaly in the cardiac activity of a patient ~~characterized in that~~ wherein at least one sensor (12) determines at least one parameter that characterizes the cardiac activity of a patient, ~~in that~~ an automatic evaluation with respect with respect to at least one parameter that characterizes the anomaly in the cardiac activity is carried out, and ~~in that~~ an alarm signal is generated if a limiting value for at least one parameter that characterizes the anomaly in the cardiac activity is exceeded.

2. (Currently amended) The method according to Claim 1 ~~or 2~~, ~~characterized in that~~ wherein the anomaly in the cardiac activity of a patient is a state of fibrillation and ~~in that~~ the parameter that characterizes the anomaly in the cardiac activity is a fibrillation parameter.

3. (Currently amended) The method according to Claim 1, ~~characterized in that~~ wherein a metrological acquisition of an EKG signal, a pulse signal and/or a hemodynamics signal is carried out.

4. (Currently amended) The method according to Claim 1 ~~one of the preceding claims, characterized in that~~ wherein the acquisition of measuring values is carried out in the region of at least one adhesive pad, wristband, neckband, thoracic band, abdominal band, hip band and/or in the region of a respiratory mask.

5. (Currently amended) The method according to Claim 1 ~~one of the preceding claims~~, ~~characterized in that~~ wherein the sensory acquisition of measuring data and the evaluation of the measuring signals are spatially separated.

6. (Currently amended) The method according Claim 1 ~~one of Claims 1-4~~, ~~characterized in that~~ wherein the sensory acquisition of measuring data and the evaluation of the measuring signals are carried out spatially adjacent to one another, and ~~in that~~ the results of the signal evaluation are transmitted to a different location.

7. (Currently amended) The method according to Claim 1 ~~one of the preceding claims~~, ~~characterized in that~~ wherein the measuring data acquired by the sensor (12) are transmitted in a wireless fashion to a signal evaluation unit (13), or ~~in that~~ the results of the signal evaluation (13) are transmitted in a wireless fashion to a signal generator (14).

8. (Currently amended) The method according to Claim 1 ~~one of the preceding claims~~, ~~characterized in that~~ wherein an acoustical and/or optical alarm is generated.

9. (Currently amended) The method according to Claim 1 ~~one of the preceding claims~~, ~~characterized in that~~ wherein the alarm signal comprises a control signal that causes a direct activation of a defibrillator.

10. (Currently amended) The method according to Claim 1 ~~one of the preceding claims~~, ~~characterized in that~~ wherein the values of the at least one parameter that characterizes the cardiac activity of a patient are stored.

11. (Currently amended) The method according to Claim 1 ~~one of the preceding claims~~, ~~characterized in that~~ wherein a flag signal that causes the delivery of the alarm signal is generated if a limiting value is exceeded.

12. (Currently amended) The method according to Claim 11, ~~characterized in that~~ wherein the flag signal is transmitted in a wire-bound or wireless fashion.

13. (Currently amended) The method according to Claim 12, ~~characterized in that~~ wherein the flag signal is transmitted by ~~means of~~ short-range data transmission, in particular, Bluetooth, or by ~~means of~~ long-range data transmission, in particular, a telephone or mobile radiotelephone.

14. (Currently amended) The method according to Claim 11 ~~one of Claims 11-13, characterized in that~~ wherein the stored values of the at least one parameter that characterizes the cardiac activity of a patient or information on a storage location, from which the values can be retrieved, are transmitted together with the flag signal.

15. (Currently amended) The method according Claim 11 ~~one of Claims 11-14~~, ~~characterized in that~~ wherein patient data or information on a storage location, from which the patient data can be retrieved, are transmitted together with the flag signal.

16. (Currently amended) The method according Claim 1 ~~one of the preceding claims~~, ~~characterized in that~~ wherein it is determined if and how the patient is moving and ~~in that~~ this information is used for determining if a limiting value is exceeded together with the parameters that characterize the cardiac activity of a patient.

17. (Original) A device for detecting an anomaly in the cardiac activity of a patient, comprising at least one sensor (12) for acquiring at least one signal that characterizes a cardiac activity of a patient, at least one signal evaluation unit (13) to which the sensor (12) is connected and a signal transmitter (15) to which the signal evaluation unit (13) is connected, wherein the signal evaluation unit (13) is provided with an analyzer for determining if a limiting value for at least one parameter that characterizes the anomaly in the cardiac activity is exceeded.

18. (Currently amended) The device according Claim 17, ~~characterized in that~~ wherein the anomaly in the cardiac activity of a patient is a state of fibrillation, and ~~in that~~ the parameter that characterizes the anomaly in the cardiac activity is a fibrillation parameter.

19. (Currently amended) The device according Claim 17 ~~or 18~~, ~~characterized in that~~ wherein the signal transmitter (15) can be activated by a signal generator (14).

20. (Currently amended) The device according Claim 17 ~~one of the preceding claims~~, ~~characterized in that~~ wherein the device is realized in the form of a mobile unit and used for defibrillation purposes, and ~~in that~~ the device contains a voltage generator, a control unit (9) and at least two electrodes (2, 3).

21. (Currently amended) The device according Claim 20, ~~characterized in that~~ wherein the signal evaluation unit (13) forms part of the control unit (9).

22. (Currently amended) The device according to Claim 20 ~~or 21~~, ~~characterized in that~~ wherein the signal evaluation unit (13) is spatially separated from the control unit (9).

23. (Currently amended) The device according to Claim 17 ~~one of the preceding claims, characterized in that~~ the sensor (12) is arranged adjacent to or spatially separate from the signal evaluation unit (13).

24. (Currently amended) The device according Claim 17 ~~one of the preceding claims~~, ~~characterized in that~~ wherein the sensor (12) and the signal evaluation unit (13) are connected via a wireless link.

25. (Currently amended) The device according Claim 17 ~~one of the preceding claims~~, ~~characterized in that~~ wherein a memory is provided for storing the values of the at least one parameter that characterizes the cardiac activity of a patient and/or patient data.

26. (Currently amended) The device according Claim 17 ~~one of the preceding claims~~, ~~characterized in that~~ wherein the signal transmitter (15) and the signal generator (14) are connected in a wire-bound or wireless fashion.

27. (Currently amended) The device according Claim 17 ~~one of the preceding claims~~, ~~characterized in that~~ wherein the motion sensors are provided for determining if and how the patient is moving.

28. (Currently amended) The device according Claim 17 ~~one of the preceding claims~~, ~~characterized in that~~ wherein the sensor (12) for acquiring at least one signal that characterizes a cardiac activity of a patient ~~consists of~~ comprises defibrillator electrodes.

29. (Currently amended) The device according Claim 17 ~~one of the preceding claims~~, ~~characterized in that~~ means are provided for obtaining information on the current location of the patient.